

Cracklin' Static

JULY 2019 Edition



Breakfast Meeting: Sat, July 6th

Boomtown Casino Hotel

Events Center

I-80 at Exit 4 in Verdi

Breakfast Buffet – 7:30am - \$12

General Meeting – 8:00am

This month our presenter is Mr. Bill Jones, AE7OX, SNARS Treasurer who will be presenting about the SNARS budget, how the money moves!

SNARS NET on DMR – Tuesday 8pm

DMR Talk Group: 31328 SNARS

SNARS Treasury –as of June 29

Operating	\$ 7,842
Convention	\$ 1,645
Savings	\$ 8,585
Self Ins	\$ 5,507
PayPal	\$ 729

Total \$24,308

SNARS Membership – ending June 30

General	115	31%
Extra	126	34%
Technician	117	31%
Advanced	14	4%

SNARS Members 372

ARRL Members 239 (64%)

President's Voice

President John Byerly, N7ROJ

Email: mtnlion@gmail.com



Hello everyone! This has been a busy month for the club! Field day was wildly popular, and apparently there was enough FOOD (GRIN), Oh, also there was quite a bit of AMATEUR RADIO that happened too! The scores look promising.

Many thanks to everyone who volunteered to make Field Day happen so successfully, and to the people who attended!

The tech team has effected repairs on the 147.210 Peavine repeater, and has restored it's handheld coverage. They have also temporarily repaired the guy wire on lower Peavine until the permanent repairs can be done. They have a lot to do this summer for the club and we appreciate all their hard work!

Coming up next is NVCON! A HUGE thank you to all who have volunteered to help us make it happen! There are some exciting tracks going on. The youth activity group is working very hard to include both a Scouting merit badge track, and other youth involvement activities. I believe this will be our best conference yet.

We still could use help with many different things at NVCON. If you would like to help out, feel free to contact myself, or any board member to let us know you are interested. Thank you all again who step up and make all this possible!

I say this many times at our meetings. This is YOUR club! There would be no SNARS without all of you and what YOU do to help!

Until next month! 73 DE N7ROJ John



NVCON
RENO-TAHOE 2019

Nevada State Amateur Radio Convention

July 19 – 21, 2019

Boomtown Casino Hotel • Reno, Nevada



PO BOX 7727 Reno NV 89510
Yearly Dues: \$40.00 Individual • \$50.00 Family
775.453.4142 <http://snars.org>

2019 Officers

President.....John Byerly, N7ROJ
Vice-President.....Jim Shepherd, W6US
Treasurer.....Bill Jones, AE7OX
Secretary.....Anthony Marcin, W7XM
DirectorWes Vick, KG7QXE
DirectorJohn Miller N7JDM
DirectorBarry Bettman, K6ST

2019 Staff

Cracklin Static..... Howie Holden, WB2AWQ
W7TA Trustee Peter DeBay, KE7VSR
KR7ENO Trustee Howie Holden, WB2AWQ
Control Operator Pat Sheehan, W7DED
Historian Jon Fox, KF7KTC
Tech Team Lead Pat Sheehan, W7DED
Membership..... Kim Farnham, KG7TMA
PIO Greg Krantz, NT7Q
VE Coordinator..... Bill Nichols, NN7K
Meeting Greeter..... Bill Jones, AE7OX
Noon Net Manager..... Wes Vick, KG7QXE
DMR Net Manager Anthony Marcin, W7XM
Reno Ham Swap Vacant
Webmaster Erik Andreasen, K6CZH
Club Sales Manager.....Julie Dodge, N7JWL
Recording Secretary.....Doug Edmondo, W7DBE

Cracklin Static Publication

Editor: Howie Holden **WB2AWQ** - holden7471@msn.com
Cracklin' Static is the Newsletter of, and sponsored by the Sierra Nevada Amateur Radio Society. Opinions expressed herein are those of the editors and contributors and should not be considered as official expressions of the Club Officers, Staff or Club Members, or as endorsements by same.

Material for publication may be edited to enhance readability or to save space. We reserve the right to use whatever font size, line spacing or other tools as may be required to publish this Newsletter. **Deadline for input to the newsletter is 1500 hours on the Sunday** prior to the 1st Saturday of each month.

SNARS Wide Area Linked System

147.030 + PL 123.0	Sparks, Fernley, Fallon	Online
147.210 + PL 100.0	Reno, Sparks	Online
147.150 + PL 123.0	Lake Tahoe, Truckee, Carson	Online
146.925 - PL 123.0	Lovelock, Fallon	Online
146.670 - PL 123.0	Winnemucca	Online
444.875 + PL 100.0	Yerington	Online
444.125 + PL 123.0	Reno Sparks	Offline

DMR Systems

444.925 + CC 1	Reno, Sparks	Online
444.825 + CC 1	Dayton, Fallon, Carson	Online
443.925 + CC 1	Lake Tahoe, Truckee, Carson	Online
443.950 + CC 1	Incline Village	Online
442.875 + CC 1	Sparks, Fernley, Fallon	Online
442.850 + CC 1	Downtown Reno	Online
441.950 + CC 1	Fallon, Fernley	Offline

Fusion Systems

146.610 - PL 123.0	Reno, Carson, Dayton	Online
--------------------	----------------------	--------

IRLP / EchoLink Systems

147.300 + PL 123.0	Reno, Sparks	Online
--------------------	--------------	--------

Packet / APRS

145.050 - RNO	Reno, Carson, Dayton	Online
145.050 - ROSE	Lake Tahoe, Truckee, Carson	Online
144.390 - TOULON	Lovelock, Fallon	Online

Standalone Systems

147.390 + PL 100.0	Reno, Carson, Dayton	Online
443.075 + PL 123.0	Reno, Carson, Dayton	Online
927.0875 + PL 114.8	Reno, Carson, Dayton	Online

 Online  Offline  Not Linked

Thank you to our Sponsors/Supporters



Weekday on the SNARS Linked System

147.030 + PL 123 – Sparks/Fernley
 147.150 + PL123.0 – Lake Tahoe / Truckee
 147.210 + PL 100.0 - Reno
 444.875 + PL 100.0 - Yerington
 146.925 - 123.0 – Lovelock / Fallon
 146.67 – PL 123.0 - Winnemucca

Monday through Friday @ 12:00pm

Open to all amateur radio operators. A general informational net for the amateur radio community of Northern Nevada and Eastern California. Radio Checks and Questions are welcomed.

Nets on the SNARS Linked Systems

147.210 + 100.0 | 147.030 + 123.0 | 147.150 + 123.0
 147.670 – 123.0 | 146.925 – 123.0 | 444.875 + 100.0

ERC Net for NV and Northern CA	Monday @ 9:15pm
N. Western NV ARES Net	Thursday at 7:30pm
Northern Nevada Preppers Net	Wednesday @ 8:00PM
Hospital Net	Friday @ 10:00AM

Nets on IRLP (GSR) System

Repeater: 147.300 + 123.0

Amateur Radio Newslane	Monday - 8:00PM
Nevada Skywarn Net	Wednesday - 7:00pm
Nevada State ARES Net	Thursday - 7:00PM

Nets on Simplex/HF

Jefferson Noon Net	7.204 LSB	Daily - 12:00pm
6 Meter Net	50.350 USB	Tuesday – 8:00pm
2 Meter Week Signal	144.250 USB	Wednesday - 8:00PM
2 Meter Simplex Net	146.500 FM	Thursday – 8:00PM
10 Meter Net	28.350 USB	Sunday – 2:00PM

SNARS Weekly DMR Net – Tuesdays
8:00PM

SNARS Talk Group 31328

Open to Members and Guests. A general information net each week on DMR.

SNARS CALENDAR

Ham Radio Night at the REOC Wednesday, July 3,
6 PM Washoe REOC 5195 Spectrum Blvd, Reno NV

SNARS Board Meeting Wednesday July 10, 6 PM
Location TBD

QCWA Nevada Chapter Sat, July 13, 11am – 12pm
Famous Dave's Bar-B-Que, 4925 Kietzke Ln, Reno, NV

NVCON Planning Meeting Thursday, July 18, 6 PM
Online Teleconference contact K6ST for more info

**NVCON Nevada State Convention Friday July 19-
 Saturday, July 20. See flyer pg 5 for details Boomtown
 Casino Hotel Events Center I-80 at Exit 4 Verdi**

Next SNARS Breakfast Meeting – Saturday August 3, 8 AM
Boomtown Casino Hotel Events Center I-80 at Exit 4 Verdi

WELCOME NEW MEMBERS

Christopher	Brown	KJ7DKY
Diana	Moore	KJ7GVY
Karim	Mekhid	KJ7GWA
David	Angel	WA6TJM
Steve	Durham	KJ7EGD
Joseph	Gorak	N7JPS
Ron	Coleman	KM6DZ

THE NAME OF THE GAME

Jim Shepherd, W6US nvjims@gmail.com

SOTA, IOTA, AND OTHER THINGS ON THE AIR

The weather is warm, the sky blue, and it is time to get outdoors. Taking your radio with you can be a lot of fun.

Summits On The Air is a great program for those willing to do a little hiking to a recognized high point and make some contacts as an 'activator' or by being a 'chaser' and working those activators from the comfort of your air conditioned shacks. Everyone can participate. Some peaks are reachable by motor vehicle, however the actual operation needs to be truly portable with no connection to the car, not within close proximity of the vehicle, and must be self powered by other than a fossil fueled generator. The mountain top operation also has to be within an activation zone that is within 25 meters of the summit elevation. The actual top of the mountain may be unsafe or unsuitable for radio operation, and this allows for a better operational position.

Summits are awarded points for their total elevation, relative elevation to surrounding mountains, and difficulty in getting there. Mt. Whitney, having an elevation of 14,505' and an 11 mile hike gaining about 6000' of elevation gets a 10 point bonus for making 4 or more contacts. On the other hand, Rattlesnake Hill in South Reno only gets 2 bonus points.

It does not take a lot of specialized equipment to participate. You can easily start with just a handheld on simplex VHF frequencies. Drive to the top of Peavine, W7N/WC-011, walk away from your car, take your handheld on 146.52 and start making contacts... Log all the contacts that you make. You can solicit contacts on the repeater system, but you must QSY back to a simplex frequency to make the actual contact. When you return home, you will need to upload your log to the SOTA site to get credit, and you are well on your way to participating in the fun.

Chasers can also make points by making contacts with these activators. To find operations, you can go to <http://www.sotawatch.org/> and see current and upcoming activations. Uploading your logs of contacts completes the QSO and you both get credit. You can also send a text message with your 'spot' of an ongoing activation and that will help others

get in on the fun.

It is not limited to VHF, most of the activity actually occurs on the HF bands. This is a worldwide activity and as you will see when you visit their website, the group is based in England. The main website with a lot more information and rules is <https://www.sota.org.uk/>. There will also be a comprehensive presentation on SOTA on Friday afternoon at NVCON for those who are interested.

IOTA, Islands On The Air, is a similar program for ocean islands around the world. It is also based in England which is fitting seeing how it is a large island off the west coast of Europe. Like the SOTA, there are activators and chasers. Unlike summits, some of these islands have large populations of resident hams, and your QSL collection may already contain lots of islands. There are also major DXpeditions to some of the rarer islands which generate lots of interest. They have divided the world up into 1200 island groupings and then listed the islands in each group. Their awards are based on making contacts by those groups. You can find more information at <https://www.iota-world.org/>

The National Parks On The Air program a couple of years ago sparked great interest, and there have been spin-offs involving State Parks, Wildlife Areas, and other locations in the great outdoors. Last month's Field Day activated lots of parks across the country and got us out of our shacks to set up operations in the field. One of the nice things about operating out in the country is that your noise levels are usually lower—It was two whole 'S' units quieter out at Washoe Lake State Park than my home QTH in Sparks.

6 meters has been opening up this time of year, and a mountaintop location is a great place to get on the air. The great view from the mountain is only eclipsed by the better signals you will get up there on the VHF bands. Even a handheld can make lots of contacts on simplex if the mountain overlooks populated areas. There is also the opportunity to hit distant repeaters from the hill tops.

Get On The Air from the great outdoors this summer!



Nevada State Amateur Radio Convention

NVCON
RENO-TAHOE 2019

July 19 - 20, 2019

Boomtown Casino Hotel • Reno, NV

● **Friday Amateur Radio Academy**
In-depth Classes / Workshops

● **One Day Tech Class**
Get Your Amateur Radio License in a Day

● **Amateur Radio Forums**
Presentations on Amateur Radio Related Topics

● **Exhibitors & Vendors**
Popular Amateur Radio Vendors and Exhibitors

● **Saturday Ham Swap**
Sell, Buy, Trade starting at 8am

● **Radio Exams**
Tech, General & Extra Exams

● **Raffle Prizes**
Amateur Radio Raffle Prizes

● **Special Event Station**
Operate the Special Events Station

● **and more**
visit <http://nvcon.org> for more info

<http://nvcon.org>

SNARS LOGO ITEMS

This year we are celebrating our 50th year by providing many ways to commemorate this occasion by imprinting our 50th



Stickers \$1.00 Each



16oz Coffee Mugs \$8.00



Hats \$10.00



Club Badge \$15.00

Order at

<http://snars.org/store/badge-order>

Items are available at the monthly meetings, events or online (coming soon) <http://snars.org/store>



NVCON
RENO-TAHOE 2019

Nevada State Amateur Radio Convention
July 19 – 21, 2019
Boomtown Casino Hotel • Reno, Nevada

MIKE'S MISSIVES CHAPTER FORTY FIVE

Mike Katz, N7MSK



WHAT IS A SPECIAL SERVICE CLUB?



A club that exists to go above and beyond for their communities and for Amateur Radio is what defines a Special Service Club (SSC). They are the leaders in their Amateur Radio communities who provide active training classes, publicity programs and actively pursue technical projects and operating activities.

SNARS has been an SSC club for many years

New Ham Development and Training

Purpose: Develop an effective, coordinated program of public relations, recruiting, training and ongoing assistance targeted to prospective and newly licensed hams in your community.

Public Relations

Purpose: Establish an effective Amateur Radio presence in your community, including contact with local media and coverage of your activities; Public Information Officer appointment.

Emergency Communications

Purpose: Club members should become skilled in communicating effectively during communications emergencies and be prepared to assist when needed; Official Emergency Station appointment and *participation in ARES*.

Technical Advancement

Purpose: Continuing education in the technical aspects of Amateur Radio to ensure that your club members are technically competent, familiar and comfortable with modern radio-electronics technology; Technical Specialist appointment.

Operating Activities

Purpose: Active participation as a club in one or more major operating or operating support activities to ensure that your club maintains a high level of operating skill.

Miscellaneous Activities

Purpose: Every active club has its special interests and activities that make it unique, that give it special personality. List three of these activities.

(Editor's note: Clubs which qualify for the Special Service Club title must certify every two years that they maintain these standards.)



NVCON
RENO-TAHOE 2019

Nevada State Amateur Radio Convention
July 19 – 21, 2019
Boomtown Casino Hotel • Reno, Nevada

NVCON Notes

Silver State Classic Challenge will be at NVCON this July in Reno.

Received from radio_pack@lists.unr.edu

Feed: Southgate Amateur Radio News RSS Feed
Posted on: Friday, June 28, 2019 1:21 AM
Author: Southgate Amateur Radio News RSS Feed
Subject: Television, film, and music star John Schneider salutes ham radio operators and other volunteers

Twice a year for the past 32 years cars have blasted down 150 miles of closed, high desert, roadway. This is the Silver State Classic Chal-

lenge and it's sister race the Nevada Open Road Challenge, certified by the Guinness Book of Records as the World's Fastest Race on a Public Highway

From the Southgate article:

As a way of saying "Thank You" to their ham operators and course workers, Silver State Classic Challenge is hosting a Ham Radio Appreciation Reception at July's NVCON the ARRL Nevada State Convention.

You can read the whole article here:

<http://www.southgatearc.org/news/2019/june/john-schneider-salutes-ham-radio-operators.htm#.XRpAybNYZD8>

SHORT TAKES (FROM W6US)

Ham Radio Night, July 3, 2019

This session will be primarily devoted to helping those new hams from the June 15th license session get on the air. If you have a question, or an answer, come see us at the REOC at 6pm. There may be some DMR programming help available at that time.

CQ VHF Contest, July 20-21, 2019

Running from 11 in the morning Saturday until 2 pm on Sunday afternoon, this is the big VHF contest. The exchange is simple, your grid zone where you are operating. The only bands are 6 meters and 2 meters. FT8, and FT4 if it is released in time, may be the dominate modes on these bands unless there are some good sporadic E openings. For the complete rules, go to <https://www.cqwww-vhf.com/rules.htm>

NVCON – Nevada State Amateur Radio Convention, July 19-20, 2019

Be there!!!!!!!!!!!!!!!

FIELD DAY PHOTOS If you took any Field Day photos, please send them to Howie WB2AWQ if you have not already done so! www.holden7471@msn.com or text 775-846-6820

NAME THAT RIG

(Answer on page14)



W7SSB's FUN STUFF

SIX METERS "THE MAGIC BAND"

Most of the new "hams" with their technician license in hand and many older licensed hams have never tried the magic band! First off you don't need high power and large antenna systems when the band is open! You can work the world when conditions are right! The fun of 6 is that you never know when the band is going to be open It is very helpful to monitor the many 6 meter propagation sites such as www.dxmaps.com! Another source to help educate you is the ARRL book : <http://www.arrl.org/news/view/new-book-magic-band-antennas-for-ham-radio-is-now-shipping> You also don't need expensive antennas or expensive transceivers!

Here are several companies that make easy to assemble, light weight and inexpensive antennas!

www.parelectronics.com www.raibeamny.com www.mfjenterprises.com www.innovantennas.com www.m2inc.com to name a few!

You can buy used HF transceivers that include six meters or older single band six meter transceivers like the Kenwood TS-60, MFJ 9406, Ranger RCI 5054 DX etc.

I have used my Yaesu FT 817 on six for years! Add an amp if you want more power! FT8 has become very popular on six right now but CW, SSB, FM and AM all have their nets, beacons, repeaters and calling frequencies and users for each! Try it you'll like it!

The nice thing about six you can carry your station in your trunk and be on the air very quickly!

I carry a tripod, Par Antenna 6 meter Moxon, and a MFJ 9406 that I can be on the air in minutes!



W7SSB running 6 meters on Slide Mountain

* * * * *

Several hams asked me where they could buy the military mast / tripod package that John Miller and I used at field day !

<https://go-vertical-usa.myshopify.com/>

Also a great antenna company that makes simple, light weight and portable antennas ! The owner Dale Parfitt W4OP is great to deal with !

<http://www.parelectronics.com/index.php>

YOUTH INVOLVEMENT

Kids Day which was on June 15, 2019 at The **Discovery museum** was a great success. We had over 100 kids come through and 10 ham radio operators help them out. The youth learned about amateur radio and spoke on the radio as well as send winlink message to their parent's email.

Left to Right: KG7TMA Kim, KI7VGI Mary, KI7VGJ Justin, W6US Jim, W7DBE Doug, WD6CHC Chuck (center rear), Friend & Sofia daughter of AK7MG (center front), KG7QXE Wes, Adam Carpenter of The Discovery, AK7MG Marcus, K6ST Barry (not shown)

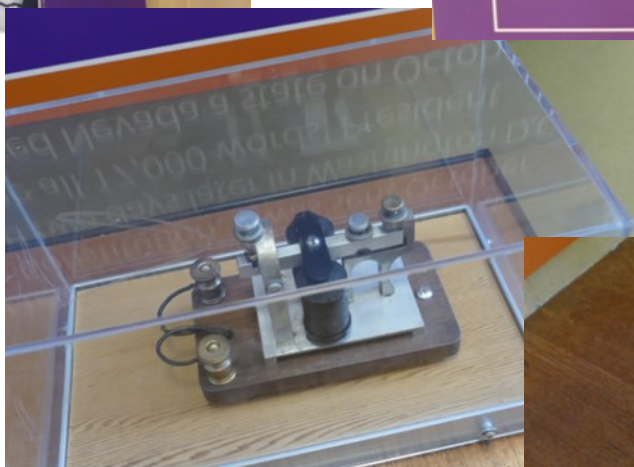


A special thanks goes out to you The Discovery staff and especially Adam Carpenter who supported us really well; and W7DBE Doug of The Discovery as a volunteer & the glue that got us into the museum.

K6ST Barry & KG7QXE Wes presenting Amateur Radio in Space



The Discovery mueseem has a display on the original telegrapher code dating back to 1861



How does a telegraph work?

You tap a message with a small lever connected to a machine. The machine sends electrical signals to a receiver at the other end of the wire. Telegraphs use Morse code. It's a series of dots and dashes that stand for letters, numbers, and punctuation.

INTERNATIONAL MORSE CODE

A	• —	U	• • •
B	• • • •	V	• • • —
C	• — • —	W	• — • •
D	• — •	X	• — • —
E	•	Y	• — • — •
F	• • • •	Z	• — • — • —
G	• — • —		
H	• • • •		
I	• •		
J	• — • •		
K	• — • —		
L	• — • •		
M	• • — •		
N	• — • —		
O	• — • — •		
P	• — • • •		
Q	• — • — •		
R	• — • •		
S	• • •		
T	• —		
		0	• • • • •
		1	• • • • —
		2	• • • — •
		3	• • — • •
		4	• • — • —
		5	• — • • •
		6	• — • — •
		7	• — • — •
		8	• — • — •
		9	• — • — •

Morse Code

- Press the lever once quickly to make a dot.
- Hold it down longer to make a dash. A dash is three times the length of time as a dot.
- The pause between letters in a word is the same length of time as a dash.
- The space between words is twice the length of time as a dash.





Truly a family event



A young YL ham in the making learns cw on a more modern-day key.



Daughter and father learning the phonetics of her name



A young ham OM in the making learning the value of using test equipment



They start learning pretty young on the ham radio!



The kids are talking on RemoteTX via an hf station in Carson City on 20m ssb



Kids and mom sending WINLINK message on RF gateway to email



When KG7QXE was asked the little boy, how old are you on the air, he put up 5 fingers.



K17VGI Mary elmering an up and coming YL ham radio operator



Hams donated used ham radio magazines which given to kids as well as materials



ICOM IC-7300 and Ham Stick Dipole hf station (center), WINLINK rf gateway to email (mid left), YAESU FT-736R on SNARS Linked Repeater System (left), REMOTETX hf



On Stage: Solar Pannels, Amateur Radio & Space video
Around outside of Stage: 4 diferent posters to read about ham radio



Showing of NVCON the Nevada State Amateur Radio Convention coming up on July 19-20, 2019 at Boomtown. nvcon.org

Speaking of NVCON and YOUTH, see next newsletter piece below on

YOUTH ACTIVITIES at NVCON 2019

YOUTH ACTIVITIES - NVCON 2019

Radio Merit Badge opportunity at Nevada State Amateur Radio Convention, July 19 and 20, 2019

This year the Nevada State Amateur Radio Convention (nvcon.org), held at Boomtown, on July 19 and 20, will be offering a two-day radio merit badge program. Learn about amateur radio in the middle of an amateur radio convention. See first hand all you can do with the fun and exciting hobby.

In addition to the radio merit badge, NVCON is providing free admission to all youths ages 12 and younger and all scouts and scouters in uniform. Regular admission is \$5 per person for both days. For more information and youth to sign up please click [here](#).

If you or another ham are interested in supporting this Radio Merit Badge event, we welcome your help. Please contact Scout Leader and ham radio operator KG7VUI Shawn Stoddard, Crew 154, at stoddard1@gmail.com

Youth Activities Schedule: Nevada State Amateur Radio Convention 2019

Welcome to the Nevada State Amateur Radio Convention nvcon.org on Friday July 19th & Saturday July 20th, 2019 held at the Boomtown Hotel in Reno, NV.

The national association for amateur radio, ARRL (American Radio Relay League) arrrl.org Nevada Section Youth Coordinator, Barry Bettman, K6ST and the Boy Scout - Radio Merit Badge Counselor <https://meritbadge.org/wiki/index.php/Radio> Shawn Stoddard KG7VUI, will have plenty of ham radio activities for youth including:

Friday July 19th, 2019

Radio Merit Badge Introduction - Overview 10a-11:30a
Youth on the air (led by youth) Sierra Nevada Amateur Radio Society - Noon Net 12p-1p
Radio Merit Badge Class 1:30p-4:30p
Forums 9a-5p nvcon.org/attendees/forums

Exhibits 9a-5p nvcon.org/vendors/exhibits

Saturday July 20th

Radio Fox hunt Activity 9a-10:30a
Forum: Engaging Youth in Amateur Radio 11a-12p
Youth / Elmer (adult mentor) brown bag lunch 12p-1p
Radio Knowledge Scavenger Hunt Activity 1:30-3p
Radio Merit Badge completion 3:30p - 4p
Forums 9a-5p nvcon.org/attendees/forums
Exhibits 9a-5p nvcon.org/vendors/exhibits

Convention fee:

FREE for scouts in full uniform
FREE for under age of 13
\$5 everyone else

Questions? Contact Barry k6st@arrrl.net

Youth can register below to reserve their spot for the 2-day Youth Activities:
bit.ly/youthnvcon2019

Please pass the word, it's all about inviting Youth into Ham Radio!

Used Magazines bring to NVCON, Recycle used amateur radio magazine to the youth!

Please bring them to the NVCON Youth Booth on Friday July 19th
and we will be sure to get them to the kids that will devour them.

73,

Barry K6ST k6st@arrrl.net
Nevada Section Youth Coordinator
ARRL (American Radio Relay League) arrrl.org
The national association for amateur radio

FUN STUFF FOR JULY

July has two ARRL or NCJ-sanctioned events (shown in bold). It's an otherwise fairly quiet month.

1 Jul 0001 to 7 Jul 2359 28 10-10 International Spirit of 76 QSO Party CW Ph Dig www.ten-ten.org

13 Jul 1200 to 14 Jul 1200 1.8-28 IARU HF World Championship CW Ph www.arrl.org/iaru-hf-championship

20 Jul 1800 to 21 Jul 0559 3.5-28 North American QSO Party, RTTY www.ncjweb.com

20 Jul 1800 to 21 Jul 2100 50, 144 CQ Worldwide VHF Contest CW Ph Dig www.cqww-vhf.com

For a complete list, see: <http://www.arrl.org/files/file/Contest%20Corral/2019/July%202019%20Corral.pdf>

If you're not into contests, there's always DX to chase! July's good stuff is scattered around the globe. Some of the better DX operations coming up in July:

Jun 15 to Jul 31 **Somalia 60100**

Jul 05 to Jul 12 **Malta 9H3IK**

Jul 05 to Jul 20 Solomon Is **H44MS**

Jul 06 to Aug 03 Palestine **E44WE**

Jul 07 to Jul 16 East Malaysia **9M6NA**

Jul 31 to Aug 07 Maldives **8Q7SU**

Jul 31 to Aug 07 St Paul I **CY9C**

See <https://www.ng3k.com/Misc/adxo.html> for a complete DX listing

NAME THAT RIG (from page 8)

In 1932, William Halligan began building the Hallicrafters receivers, destined to become arguably the most popular manufacturer of Amateur and commercial radio equipment of all time. His first receiver, the S-1 Skyrider, wasn't a huge commercial success, but it was the beginning of an incredibly long line of shortwave and Amateur radio equipment into the 1970s. The S-1 Skyrider, a 5 tube regenerative receiver, covered 1.6 to 22 Mc (Mhz for you newbies) in four bands. Controls were minimal—bandswitch, volume and regeneration control, and tuning. It took a few years, but after taking over the Silver-Marchall company, then merging with the Echophone company, Hallicrafters really took off with the SX-9 Skyrider in 1935—totally redone, now a superhet, 9 tubes, RF amplifier, bandspread, lots of controls. The rest, as they say, was history.....Yours truly has an SX-16 Super Skyrider work in progress, vintage 1937, very heavy with 11 tubes and all-steel chassis and cabinet.

IT DOESN'T TAKE MUCH.....

Jon Fox, KF7KTC, our club Historian and Field Day chief cook operated in the **ARRL June VHF Contest**. With a modest station and not a huge amount of time invested, Jon managed to finish fourth overall in NV, behind three very dedicated stations. In Jon's words:

I worked 6m only this contest, with no 144, 220 or 440 operations (I have 220, but don't have a 440 capable radio). Initially, the band was mostly good for a few contacts in local Grid DM09. The band opened up late in the afternoon on Sunday, and I was able to make a total of 17 contacts for the contest, with a claimed score of 221.

I used a Kenwood TS570S radio, with a Comet CHV-5X 5-Band, 1/2 wave rotatable dipole for 40/20/15/10/6 meters. Antenna orientation was primarily East/West, and a few contacts were made off the sides of the dipole. It was the first contest I have worked with this antenna, and it seemed to do the job fairly well.

My log was the first one submitted by a SNARS member. It was lots of fun when the the band opened. Contacts were as far east as Oklahoma and Texas, and as far north as Southern Saskatchewan and Southern Alberta.

KF7KTC log of stations worked:	WD0T	DN94	SD
K6MY DM07 CA	N5PT	EM15	OK
K5TA DM 65 NM	N4ZY	EM52	AL
N7MZW DM71 WY	WB0ULX	EN04	SD
WY7KY DM71 WY	VE5MX	DN89	ND
WY7HR DM71 WY	VA6AN	DO42	AB
KE0UI DM79 CO	KE7UQL	DM09	Moundhouse
W3HJ DM88 CO	K7XC	DM09	Silver Springs
K5KBV DM95 TX	KD6BQ	DM09	Washoe Valley



Cont'd on page 17.....

ARES NEWS

This frequency chart is what we use from the National Weather Service when NWS activates SKYWARN. With our severe thunderstorms these are the frequencies we will use. There is a SKYWARN Class scheduled for Friday at NVCON.



WCARES®



COUNTY	MEMORY	REPEATER	PL	NOTES:
Alpine, Ca	13	147.330	123.0	Leviathan, Minden, Carson, Alpine Co
	4	146.940	123.0	Snow Valley Pk Covers S&E Reno, Washoe, Carson, Minden, and Whole Lake Tahoe
	10	147.240	100.0	Heavenly Valley Heavenly Vly, Most Lake, into Sacramento
	11	147.270	123.0	McClellan Pk Covers Carson, Douglas, Dayton, Silver Springs
	2	146.865	123.0	Leviathan Covers Alpine and Douglas
Churchill	7	147.150	123.0	Mt Rose Covers S Reno, Washoe, Carson, Douglas, S&W Lake Tahoe
	9	147.210	100.0	Peavine Pk
	6	147.030	123.0	Virginia Pk Mt Rose System
	8	147.180	107.2	Virginia Pk Covers Reno, Spanish Springs, Churchill Co, Gerlach, Black Rock, Susanville (scratchy)
	5	146.970	100.0	Eagle Covers Silver Springs and Fallon
Carson City	1	146.610	123	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
	4	146.940	123	Snow Valley Pk Covers S&E Reno, Washoe, Carson, Minden, and Whole Lake Tahoe
	14	147.390	123.0	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
	11	147.270	123.0	McClellan Pk Covers Carson, Douglas, Dayton, Silver Springs
Douglas	13	147.330	123.0	Leviathan Pk, Minden, Carson, Alpine Co
	11	147.270	123.0	McClellan Pk Covers Carson, Douglas, Dayton, Silver Springs
	10	147.240	123.0	Heavenly Valley Pk Heavenly Vly, Most Lake, into Sacramento
	2	146.865	123.0	Leviathan Covers Alpine and Douglas
Eldorado, Ca	10	147.240	123.0	Heavenly Valley Pk Heavenly Vly, Most Lake, into Sacramento
Lassen, Ca	8	147.180	107.2	Covers Reno, Spanish Springs, Churchill Co, Gerlach, Black Rock, Susanville (scratchy)
Lyon	5	146.970	100.0	Lahontan (Silver Springs, Fallon)
	1	146.610	123.0	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
	7	147.150	123.0	Mt Rose (Silver Springs, Yerington, Smith Valley)
Mineral				
Modoc, Ca				
Mono, Ca				
Nevada, Ca	7	147.150	123	Mt Rose Covers S Reno, Washoe, Carson, Douglas, S&W Lake Tahoe
Pershing	6	147.030	123	Virginia Pk Mt Rose System
	8	147.180	107.2	Virginia Pk

Pershing	6	147.030	123	Virginia Pk Mt Rose System
	8	147.180	107.2	Virginia Pk
Placer, Ca	10	147.240	123	Heavenly Valley Pk Heavenly Vly, Most Lake, into Sacramento
Plumas, Ca	7	147.150	123	Mt Rose Covers S Reno, Washoe, Carson, Douglas,S&W Lake Tahoe
	9	147.210	100	Peavine Pk
Sierra, Ca	7	147.150	123	Mt Rose Covers S Reno, Washoe, Carson, Douglas,S&W Lake Tahoe
	13	147.330	123	Leviathan Pk, Minden, Carson, Alpine Co
Storey	7	147.150	123	Mt Rose Covers S Reno, Washoe, Carson, Douglas, S&W Lake Tahoe
	9	147.210	100	Peavine Pk
	6	147.030	123	Virginia Pk Mt Rose System
	8	147.180	107.2	Virginia Pk
	1	146.610	123	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
	14	147.390	123	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
		146.850	123	Storey County ARES
Washoe	7	147.150	123	Mt Rose Covers S Reno, Washoe, Carson, Douglas,S&W Lake Tahoe
	9	147.210	100	Peavine Pk
	6	147.030	123	Virginia Pk Mt Rose System
	8	147.180	107.2	Virginia Pk
	1	146.610	123	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
	14	147.390	123	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
EchoLink and IRLP	3	146.895	100	KA7ZAU Peavine Pk (Node #357948 (#73 to clear #15 to activate #73 when done))
	12	147.300	123.0	Grand Sierra Resort (Node #7873)
DMR		TALK GRPS		SNARS and/or NEVADA

Yellow highlighted are linked repeaters

For those of you that don't plan to attend NVCON, the Tahoe Rim Trail back country run is scheduled for 7/19 - 7/21. We could use help with communications between the Aid Stations and the Run Director and coordinators to be sure the runners finish safe. If you like to camp out, whether you have a portable station or not, we need your help. Some stations set-up Friday afternoon and the rest setup Saturday morning. If you would like to help out, contact Doug KA7FOO@gmail.com or (775) 225-5679

ALSO if you or any of your friends (even NON- Hams) would like to attend the Reno Air Races Sept 12-15 FREE (Almost a \$500 value) and can afford three 5 hour shifts to help with security, anytime between Sept 8-15 then contact me at wa6mtty@wcares.us and I will put you on the schedule.

ANNUAL COMMUNICATIONS EVENTS CALENDAR 2019

Carson Valley, Tahoe, Reno, Plumas County

Revised 6-29-19

EVENT 2019	DATE	DATE END	SPONSOR/ORGANIZER	COORDINATOR	CONTACT
Death Ride	7/13/19		Tahoe Amateur Radio Assn	Paul Gulbro, WA6EWV	wa6ewv@juno.com
Tahoe Rim Trail	7/19/19	7/21/19	Tahoe Mountain Milers	Bob Miller WA6MTY	wa6mtty@gbis.com
NVCON 2019	7/19/19	7/20/19	SNARS	Tony W7XM	w7xm@snars.org
Running With the Bears	8/17/19		Plumas ARC	Larry Trotter KI6YUK	dltrotter@sbcglobal.net
Vegas to Reno Off Road Race	8/14/19	8/17/19	Best in the Desert Racing Assn	Keith KC7HTK	kc7htkeith@hotmail.com
Tour De Tahoe	9/8/19		Tahoe Amateur Radio Assn	Paul Gulbro, WA6EWV	wa6ewv@juno.com
Reno Air-Races	9/8/15	9/15/19	WC-ARES	Bob Miller WA6MTY	wa6mtty@gbis.com
Bear Growl Gravel Grinder	9/15/19		Plumas ARC	KJ6CUG	dltrotter@sbcglobal.net
Edible Pedal 100	9/15/19		Sunrise Rotary Club	Bob Miller WA6MTY	wa6mtty@gbis.com
Grinduro SBTS	9/28/19		Plumas ARC	Larry Trotter KI6YUK	dltrotter@sbcglobal.net
Nevada Day Parade	10/26/19		NV AREA NW DEC	John Abrott KD7NHC	jabrott77@gmail.com , cell 775 790-1739.
Turkey Trot	11/28/19		WC-ARES	Bob Miller WA6MTY	wa6mtty@gbis.com

NOTE: Plumas ARC always have a need for operators. Go over to some beautiful country and help out the Plumas Amateur Radio Club

Bob Miller WA6MTY

Emergency Coordinator for Washoe County

Amateur Radio Emergency Service

775 843-5952

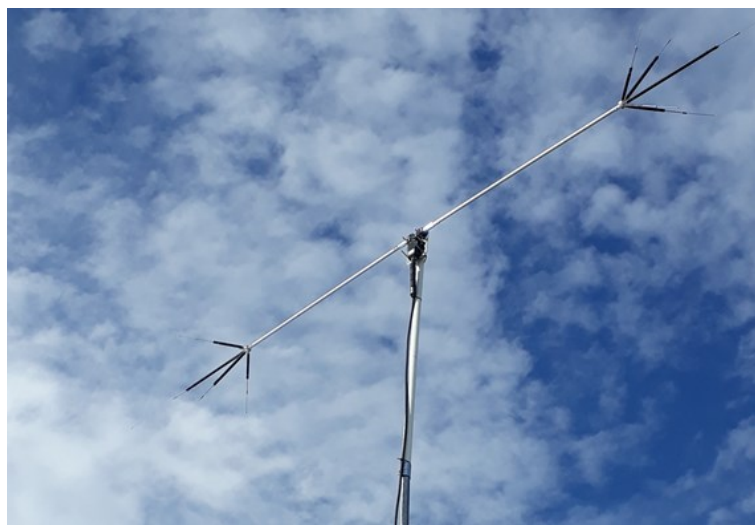
www.wcares.us

wa6mtty@gbis.com

IT DOESN'T TAKE MUCH.....cont'd from page 14

The scores from NV:

Call Sign Category	Section	Claimed Score	Club
W7D/R Classic Rover	NV	46,368	
K7XC Limited Multiop	NV	13,299	Northern California Contest Club
AG6EE/R Limited Rover	NV	0	
K6ST/R Limited Rover	NV	3	Northern California Contest Club
ND7M Single Op, High Power	NV	11,919	
KE7UQL Single Op, Low Power	NV	0	
WU6W Single Op, Low Power	NV	24	Northern California Contest Club
KF7KTC Single Op, Low Power	NV	221	Sierra Nevada ARS
KD7WPJ Single Op, Portable	NV	6	



Jon's antenna at 20 feet

EDITOR'S NOTE: THE JUNE SNARS BOARD MEETING MINUTES WILL APPEAR IN THE AUGUST ISSUE